



DEPARTMENT OF THE NAVY

DIRECTOR, SPACE AND NAVAL WARFARE
INFORMATION TECHNOLOGY CENTER
2251 LAKESHORE DRIVE
NEW ORLEANS, LA 70145-0001

SPAWARINFOTECHCENINST 3900.1
ITC00Q
04 Jun 2001

SPAWARINFOTECHCENINST 3900.1

Subj: INDEPENDENT VERIFICATION AND VALIDATION (IV&V) POLICY AND PROCEDURES

1. Purpose. To establish policy, procedures, and assign responsibilities for IV&V for programs supported by the Space and Naval Warfare Information Technology Center (SPAWARINFOTECHCEN).

2. Policy. SPAWARINFOTECHCEN policy declares the use of IV&V for all ACAT acquisition work, development activities, and customer driven programs and projects supported by the SPAWARINFOTECHCEN or have written waiver authority approved by the Director, SPAWARINFOTECHCEN.

3. Background

a. Software and system engineering activities have continued to increase in relative complexity. With the increasing complexity, there are often circumstances, beyond the control of the program or project manager, driving compression of schedule, cost, resources and even deviation from the planned approach. IV&V's independent perspective facilitates a more formal and rigorous justification of the modification necessary to succeed, as well as ensuring good development and integration practices are executed.

b. IV&V's activities also limit unilateral actions on the part of the developer, integrator, program management, and customer early in the life cycle that would result in undeclared modifications to the end product or undisclosed alterations needed to accommodate technology.

4. Applicability. This IV&V policy applies to all SPAWARINFOTECHCEN activities. SPAWARINFOTECHCEN has the right to refuse any program not in compliance with this policy.

5. Action

a. The IV&V Activity Sponsor will:

(1) Negotiate with Quality Management Office, SPAWARINFOTECHCEN (ITC00Q) to determine the appropriate level of IV&V.

(2) Participate in the negotiation of the IV&V work scope.

(3) Provide sufficient funding to support the IV&V activities.

(4) Address issues, mitigate risks, and solve problems cited by the IV&V efforts.

(5) Submit guidance to improve the likelihood of success of the executing activities. In the event there is disagreement about the approach, product quality, or success criteria, IV&V will elevate the issue to each successive level of management or control authority, until the risk is formally accepted or satisfactory corrective action is executed.

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b. The IV&V Department (SPAWARINFOTECHCEN (ITC00Q3)) will:

(1) Work with each Program Manager to create a specific plan for each program. The plan will include all phases of a program (Concept Exploration, Demonstration/Validation, Engineering and Manufacturing Development, and Production and Deployment) and be integrated into the program Master Integrated Program Schedule (MIPS), as appropriate to the PMO/ SPAWARINFOTECHCEN scope of work.

(2) Execute and ensure compliance with the SPAWARINFOTECHCEN Process Workflow.

(3) Coordinate all activities with the PMO.

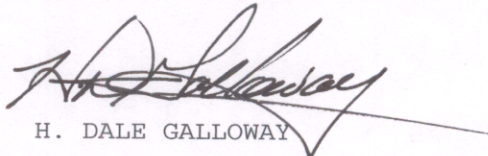
(4) Formally document all findings.

(5) Coordinate all findings with the PMO.

(6) Elevate findings to the Director, SPAWARINFOTECHCEN and the Activity Sponsor if actions of the PMO are not sufficiently convincing to mitigate the perceived program risk.

(7) Perform as a monitor function, unless Agency is granted to IV&V by the PMO or the customer. The terms of Agency shall define, in detail, the specific limited authority of the IV&V to act as the PMO or the customer. If Agency is granted, the specific terms of Agency will be documented, and IV&V will not exceed the granted authority.

c. Program Managers will submit in advance, any requests for exceptions to this policy to the Director, SPAWARINFOTECHCEN for approval.



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Distribution: (SPAWARINFOTECHCENINST 5218.1)
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